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(54) **INK JET RECORDING APPARATUS**

quantity measuring results are provided.

(57) Abstract:

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PURPOSE: To prevent the gerferation of the positional shift of a recording image even when the nozzle interval or nozzle row interval in a head scanning direction is changed by environmental temp.

CONSTITUTION: An ink jet recording apparatus is equipped with the ink jet recording head 1 having a plurality of nozzles or nozzle rows arranged thereto at an arbitrary interval in a head scanning direction and mounted on the carriage 2 reciprocally driven on a main body, an encoder part achieving the synchronism to the movement of the carriage and provided on the main body and the detection part 7 mounted on the carriage 2 for the purpose of detecting the encoder part. Further, a synchronous signal generating means composed of the circuit part connected to the detection part 7, an encoder change dimension quantity measuring means measuring the change dimension quantity of an encoder, a head change dimension quantity measuring means measuring the change dimension quantity of the nozzle interval or nozzle row interval of the recording head 1 and a first operation means operating actual printing signal timing from the output signal of the detection part on the basis of encoder and head change dimension

